

FIG. 1

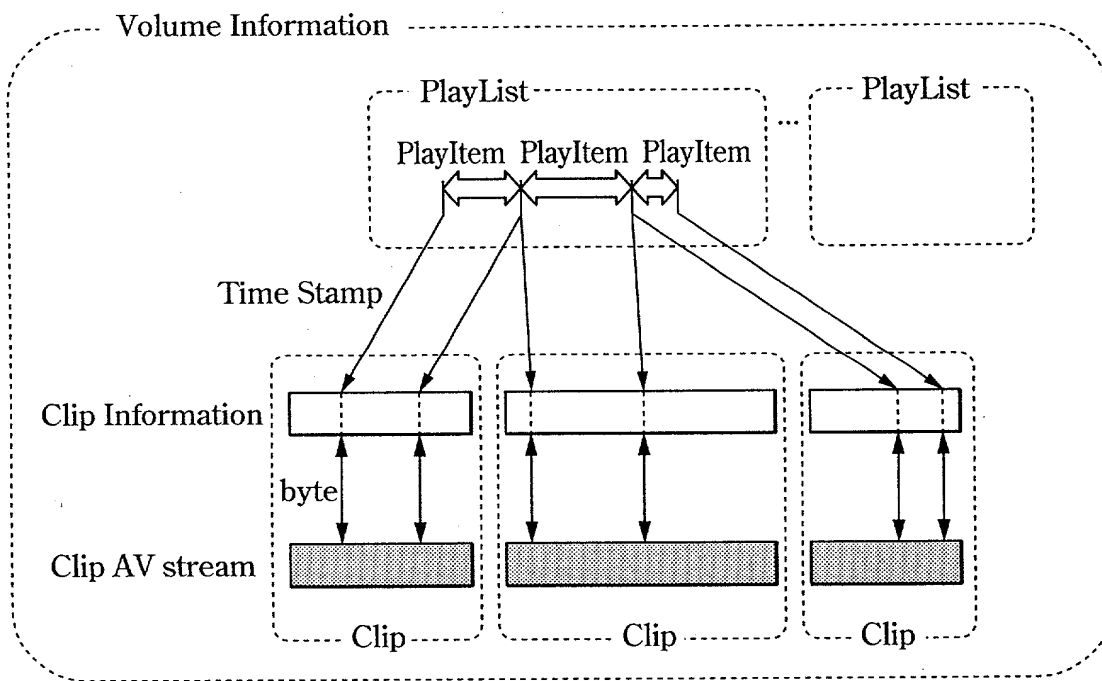


FIG.2

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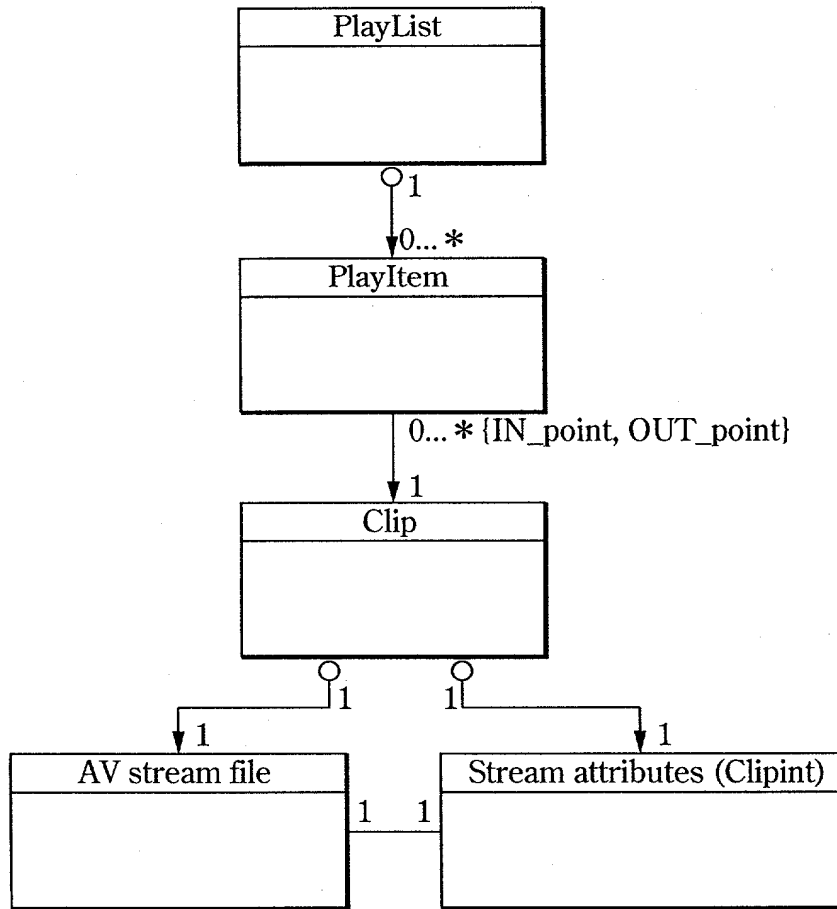
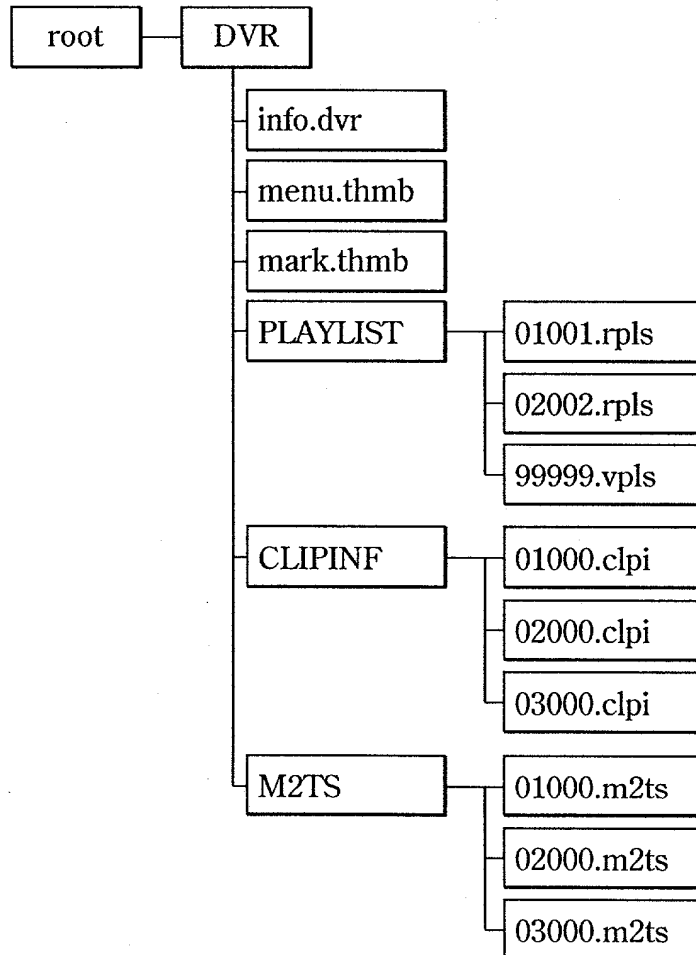


FIG.3

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**FIG.4**

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
info.dvr {		
TableOfPlayLists_Start_address	32	uimbsf
MakerPrivateData_Start_address	32	uimbsf
reserved	192	bslbf
DVRVolume()		
for (i=0;i<N1;i++){		
padding_word	16	bslbf
}		
TableOfPlayLists()		
for (i=0;i<N2;i++){		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.5

SYNTAX	NUMBER OF BYTES	ABBREVIATION
DVRVolume(){		
version_number	8*4	bslbf
length	32	uimssf
ResumeVolume()		
UIAppInfoVolume()		
}		

FIG.6

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoVolume(){		
character_set	8	bslbf
name_length	8	uimsbf
Volume_name	8*256	bslbf
reserved	15	bslbf
Volume_protect_flag	1	bslbf
PIN	8*4	bslbf
ref_thumbnail_index	16	uimsbf
reserved	7	bslbf
rp_info_valid_flag	1	uimsbf
rp_ref_to_PlayList_file_name	8*10	bslbf
rp_ref_to_PlayItem_id	16	uimsbf
rp_time_stamp	32	uimsbf
}		

FIG.7

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
TableOfPlayLists(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayLists	16	uimsbf
for (i=0; i<number_of_PlayLists; i++){		
PlayList_file_name	8*10	bslbf
UIAppInfoPlayList2()		
}		
}		

FIG.8

SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoPlayList20{		
character_set	8	bslbf
name_length	8	uimsbf
PlayList_name	8*256	bslbf
reserved	8	bslbf
record_time_and_date	4*14	bslbf
reserved	8	bslbf
duration	4*6	bslbf
valid_period	4*8	bslbf
maker_id	16	bslbf
maker_code	16	bslbf
reserved	11	bslbf
playback_control_flag	1	bslbf
write_protect_flag	1	bslbf
is_played_flag	1	bslbf
archive	2	bslbf
ref_thumbnail_index	16	uimsbf
reserved	7	bslbf
rp_info_valid_flag	1	uimsbf
rp_ref_to_PlayItem_id	16	uimsbf
rp_time_stamp	32	uimsbf
reserved_for_future_use	240	bslbf
}		

FIG.9

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
zzzzz.clpi {		
STC_Info_Start_address	32	uimsbf
ProgramInfo_Start_address	32	uimsbf
CPI_Start_address	32	uimsbf
ClipMark_Start_address	32	uimsbf
MakerPrivateData_Start_address	32	uimsbf
reserved	96	bslbf
ClipInfo()		
for (i=0;i<N1;i++){		
padding_word	16	bslbf
}		
STC_Info()		
for (i=0;i<N2;i++){		
padding_word	16	bslbf
}		
ProgramInfo()		
for (i=0;i<N3;i++){		
padding_word	16	bslbf
}		
CPI()		
for (i=0;i<N4;i++){		
padding_word	16	bslbf
}		
ClipMark()		
for (i=0;i<N5;i++){		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.10

SYNTAX	NUMBER OF BYTES	ABBREVIATION
ClipMark(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_Clip_marks	16	uimsbf
for (i=0; i<number_of_Clip_marks; i++){		
reserved	8	bslbf
mark_type	8	bslbf
mark_time_stamp	32	uimsbf
STC_sequence_id	8	uimsbf
reserved	24	bslbf
character_set	8	bslbf
name_length	8	uimsbf
mark_name	8*256	bslbf
ref_thumbnail_index	16	uimsbf
}		
}		

FIG.11

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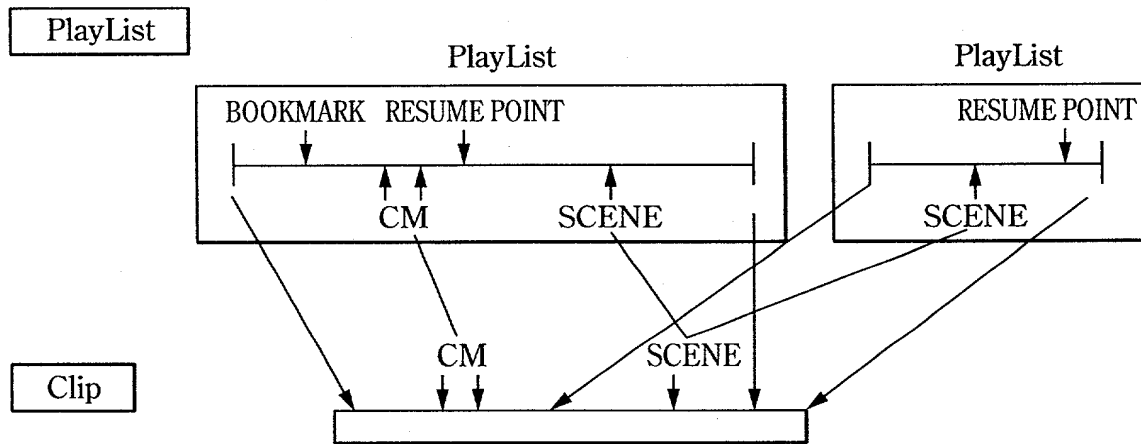


FIG.12

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
xxxxx.rpls / yyyyy.vpls {		
PlayListMark_Start_address	32	uimsbf
MakerPrivateData_Start_address	32	uimsbf
reserved	192	bslbf
PlayList()		
for (i=0;i<N1;i++){		
padding_word	16	bslbf
}		
PlayListMark()		
for (i=0;i<N2;i++){		
padding_word	16	bslbf
}		
MakerPrivateData()		
}		

FIG.13

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayList(){		
version_number	8*4	bslbf
length	32	uimsbf
PlayList_type	8	uimsbf
CPI_type	1	bslbf
reserved	7	bslbf
UIAppInfoPlayList()		
number_of_PlayItems // main path	16	uimsbf
if (<Virtual PlayList>){		
number_of_SubPlayItems // sub path	16	uimsbf
}else{		
reserved	16	bslbf
}		
for (PlayItem_id=0;		
PlayItem_id<number_of_PlayItems;		
PlayItem_id++){		
PlayItem() //main path		
}		
if (<Virtual PlayList>){		
if (CPI_type==0 && PlayList_type==0){		
for (i=0; i<number_of_SubPlayItems; i++)		
SubPlayItem() //sub path		
}		
}		
}		

FIG.14

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayItem(){		
Clip_information_file_name	8*10	bslbf
reserved	24	bslbf
STC_sequence_id	8	uimsbf
IN_time	32	uimsbf
OUT_time	32	uimsbf
reserved	14	bslbf
connection_condition	2	bslbf
if (<Virtual PlayList>){		
if (<i>connection_condition</i> =='10'){		
BridgeSequenceInfo()		
}		
}		
}		

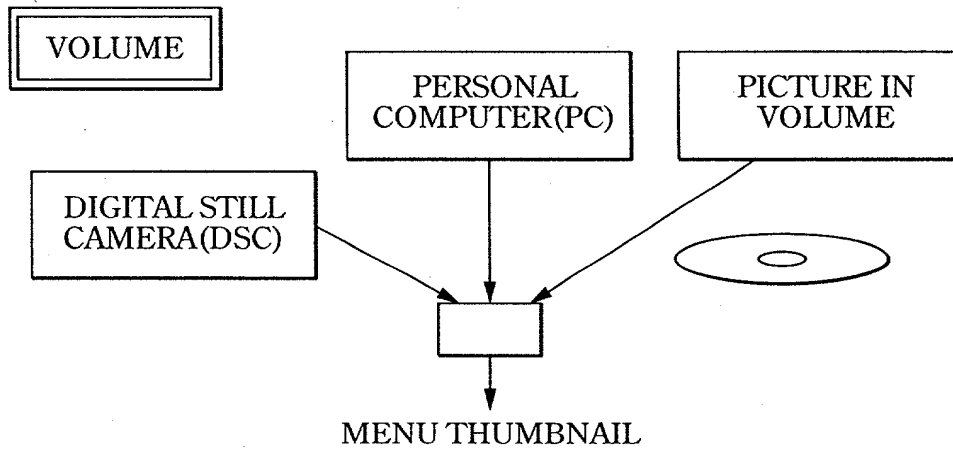
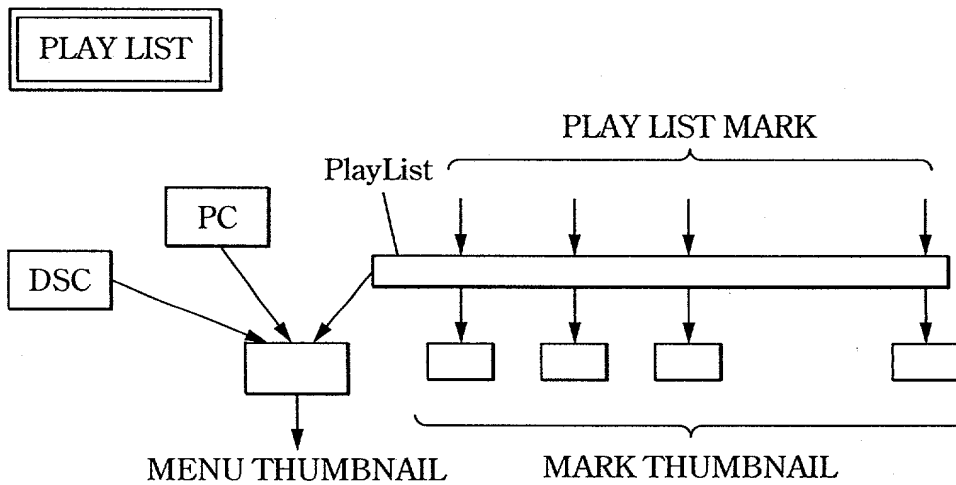
FIG.15

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayListMark(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayList_marks	16	uimsbf
for (i=0;i<number_of_PlayList_marks;i++){		
reserved	8	bslbf
mark_type	8	bslbf
mark_time_stamp	32	uimsbf
PlayItem_id	8	uimsbf
reserved	24	uimsbf
character_set	8	bslbf
name_length	8	uimsbf
mark_name	8*256	bslbf
ref_thumbnail_index	16	uimsbf
}		
}		

FIG.16

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**FIG.17****FIG.18**

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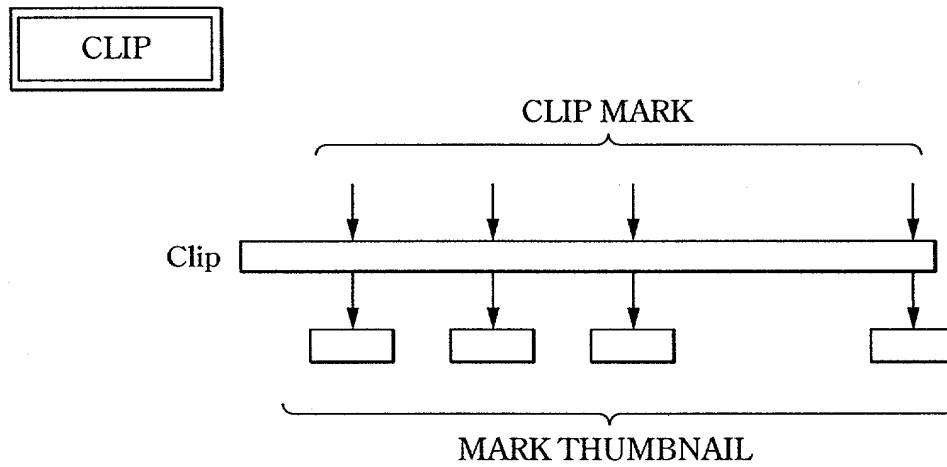


FIG.19

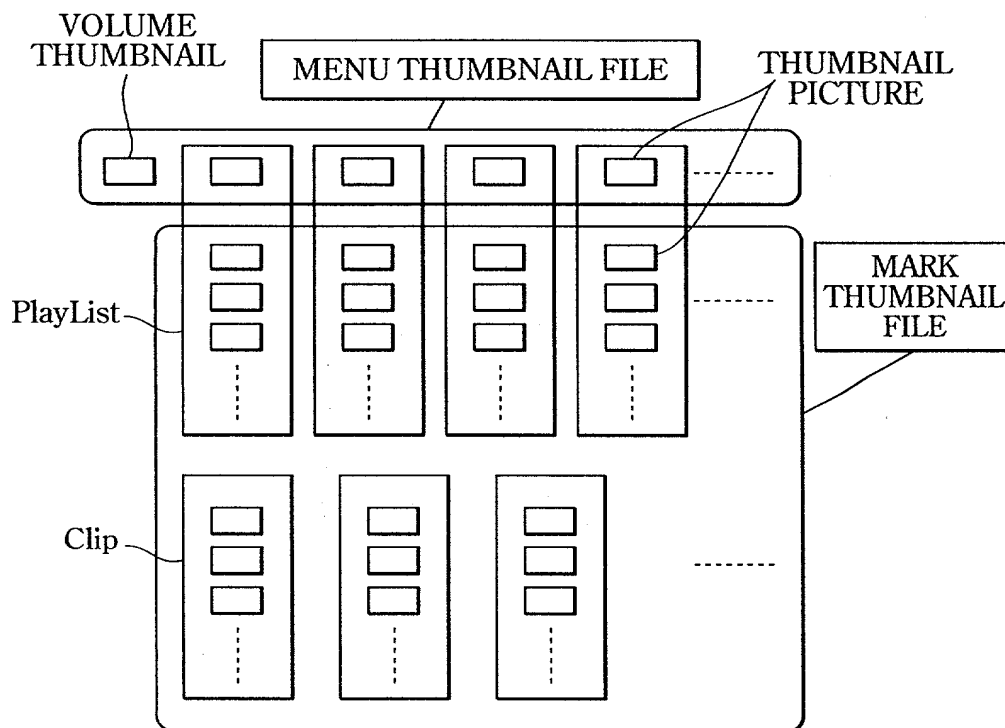


FIG.20

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.thmb/mark.thmb {		
reserved	256	bslbf
Thumbnail()		
for (i=0;i<N1;i++)		
padding_word	16	bslbf
}		

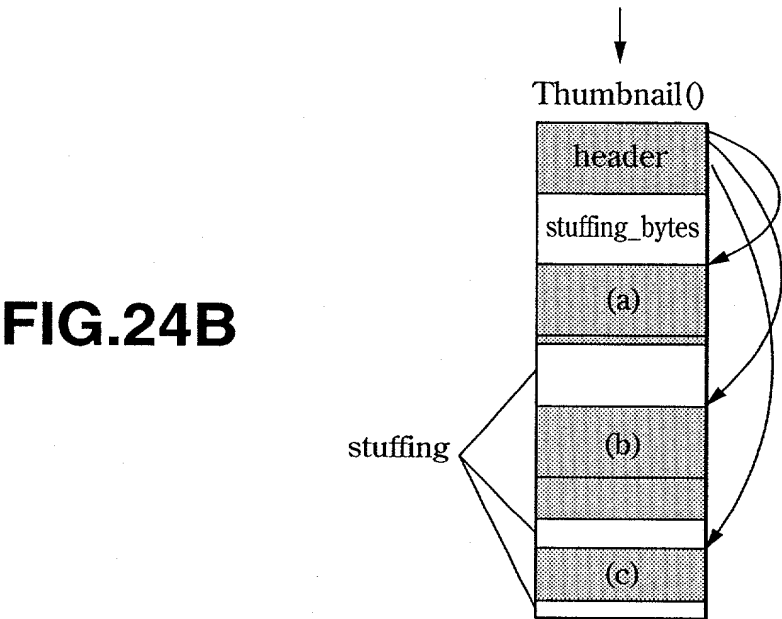
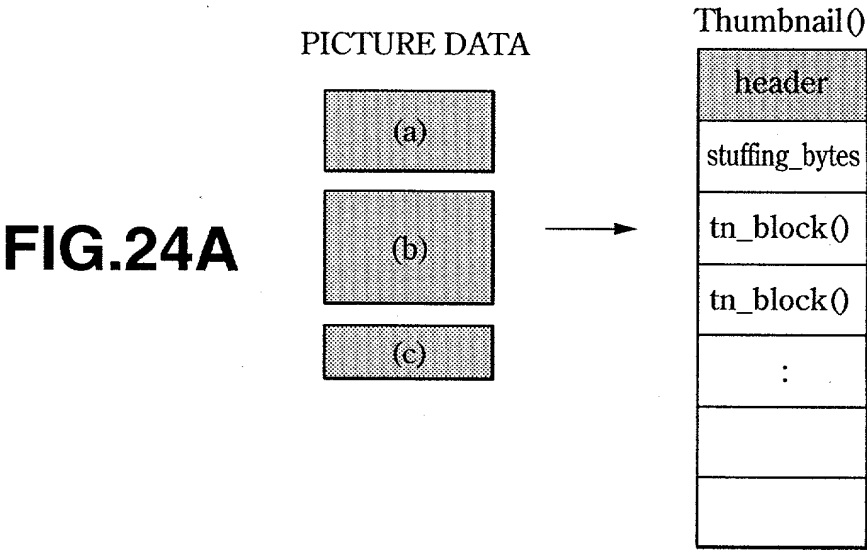
FIG.21

SYNTAX	NUMBER OF BYTES	ABBREVIATION
Thumbnail(){		
version_number	8*4	char
length	32	uimsbf
if (length !=0){		
tn_blocks_start_address	32	bslbf
number_of_thumbnails	16	uimsbf
tn_block_size	16	uimsbf
number_of_tn_blocks	16	uimsbf
reserved	16	bslbf
for (i=0; i<number_of_thumbnails; i++){		
thumbnail_index	16	uimsbf
thumbnail_picture_format	8	bslbf
reserved	8	bslbf
picture_data_size	32	uimsbf
start_tn_block_number	16	uimsbf
x_picture_length	16	uimsbf
y_picture_length	16	uimsbf
reserved	16	uimsbf
}		
stuffing_bytes	8*2*L1	bslbf
for(k=0; k<number_of_tn_blocks; k++){		
tn_block	fixed	
}		
}		
}		

FIG.22

Thumbnail_picture_format	MEANING
0x00	MPEG-2 Video I-picture
0x01	DCF (restricted JPEG)
0x02	PNG
0x03-0xff	reserved

FIG.23



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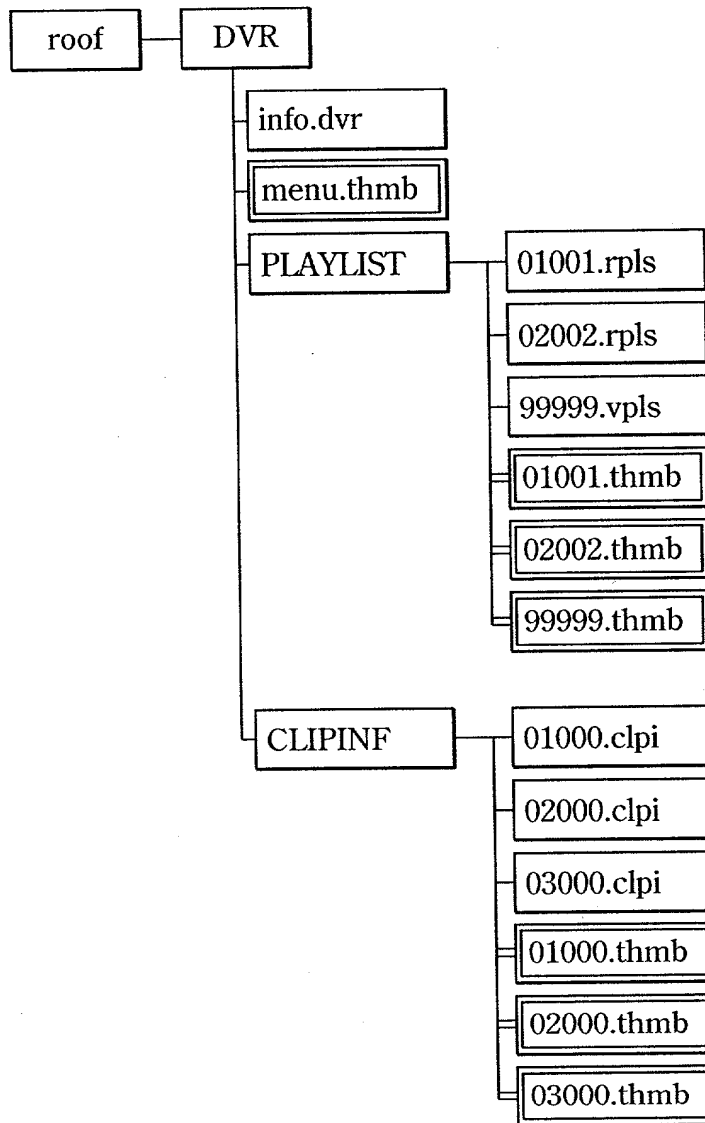


FIG.25

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.thmb/xxxxxx.thmb {		
reserved	256	bslbf
Thumbnail()		
for (i=0;i<N1;i++)		
padding_word	16	bslbf
}		

FIG.26

SYNTAX	NUMBER OF BYTES	ABBREVIATION
TableOfPlayLists(){		
version_number	8*4	bslbf
length	32	uimsbf
number_of_PlayLists	16	uimsbf
for (i=0; i<number_of_PlayLists; i++){		
PlayList_file_name	8*10	bslbf
}		
}		

FIG.27

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
PlayList() {		
version_number	8*4	bslbf
length	32	uimsbf
PlayList_type	8	uimsbf
CPI_type	1	bslbf
reserved	7	bslbf
UIAppInfoPlayList()		
number_of_PlayItems // main path	16	uimsbf
if (<Virtual PlayList>){		
number_of_SubPlayItems // sub path	16	uimsbf
}else{		
reserved	16	bslbf
}		
for (PlayItem_id=0;		
PlayItem_id<number_of_PlayItems;		
PlayItem_id++){		
PlayItem() //main path		
}		
if (<Virtual PlayList>){		
if (CPI_type==0 && PlayList_type==0){		
for (i=0; i<number_of_SubPlayItems; i++)		
SubPlayItem() //sub path		
}		
}		
}		

FIG.28

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SYNTAX	NUMBER OF BYTES	ABBREVIATION
UIAppInfoPlayList(){		
character_set	8	bslbf
name_length	8	uimsbf
PlayList_name	8*256	bslbf
reserved	8	bslbf
record_time_and_date	4*14	bslbf
reserved	8	bslbf
duration	4*6	bslbf
valid_period	4*8	bslbf
maker_id	16	uimsbf
maker_code	16	uimsbf
reserved	11	bslbf
playback_control_flag	1	bslbf
write_protect_flag	1	bslbf
is_played_flag	1	bslbf
archive	2	bslbf
ref_thumbnail_index	16	uimsbf
reserved_for_future_use	240	bslbf
}		

FIG.29

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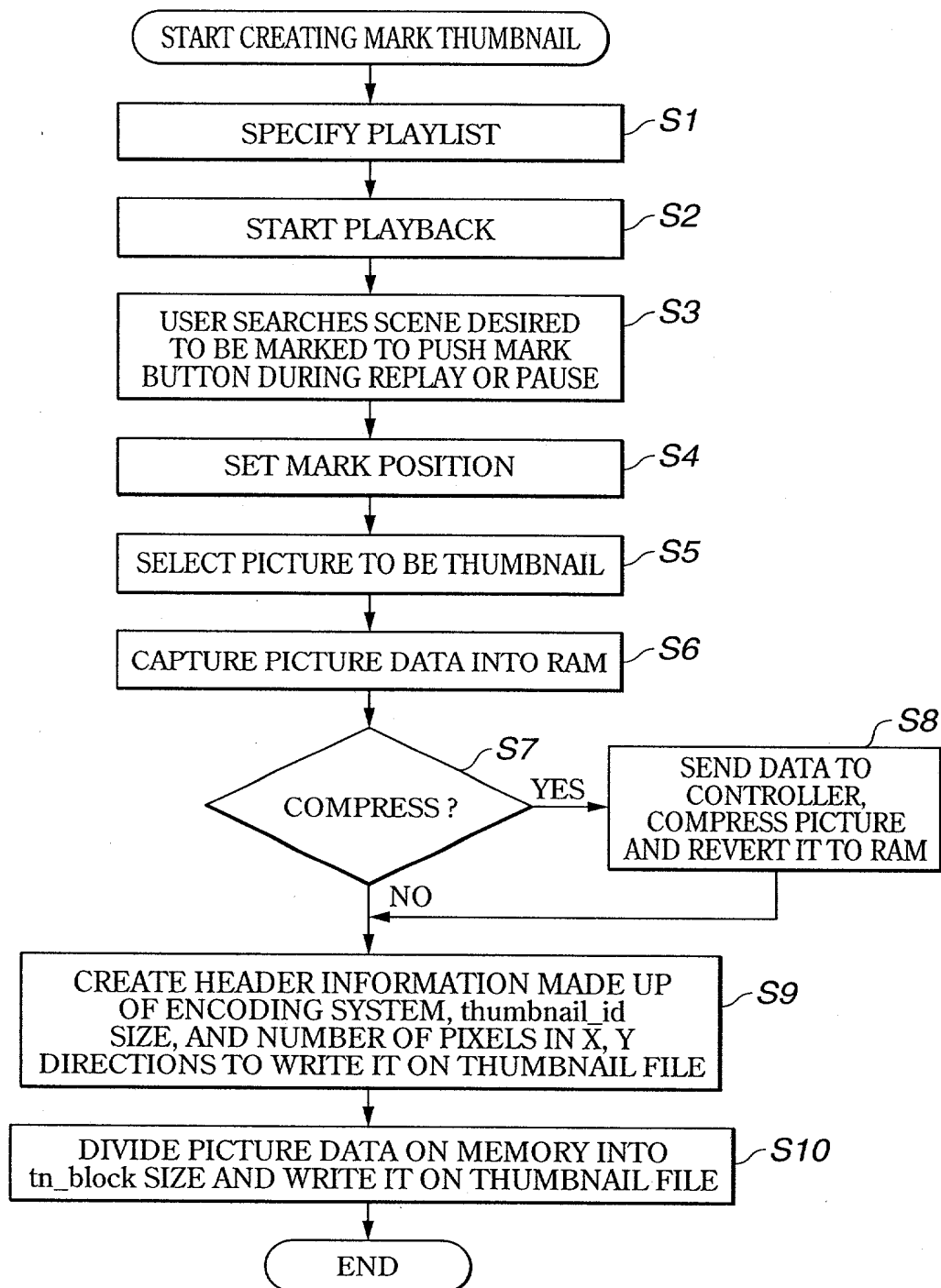


FIG.30

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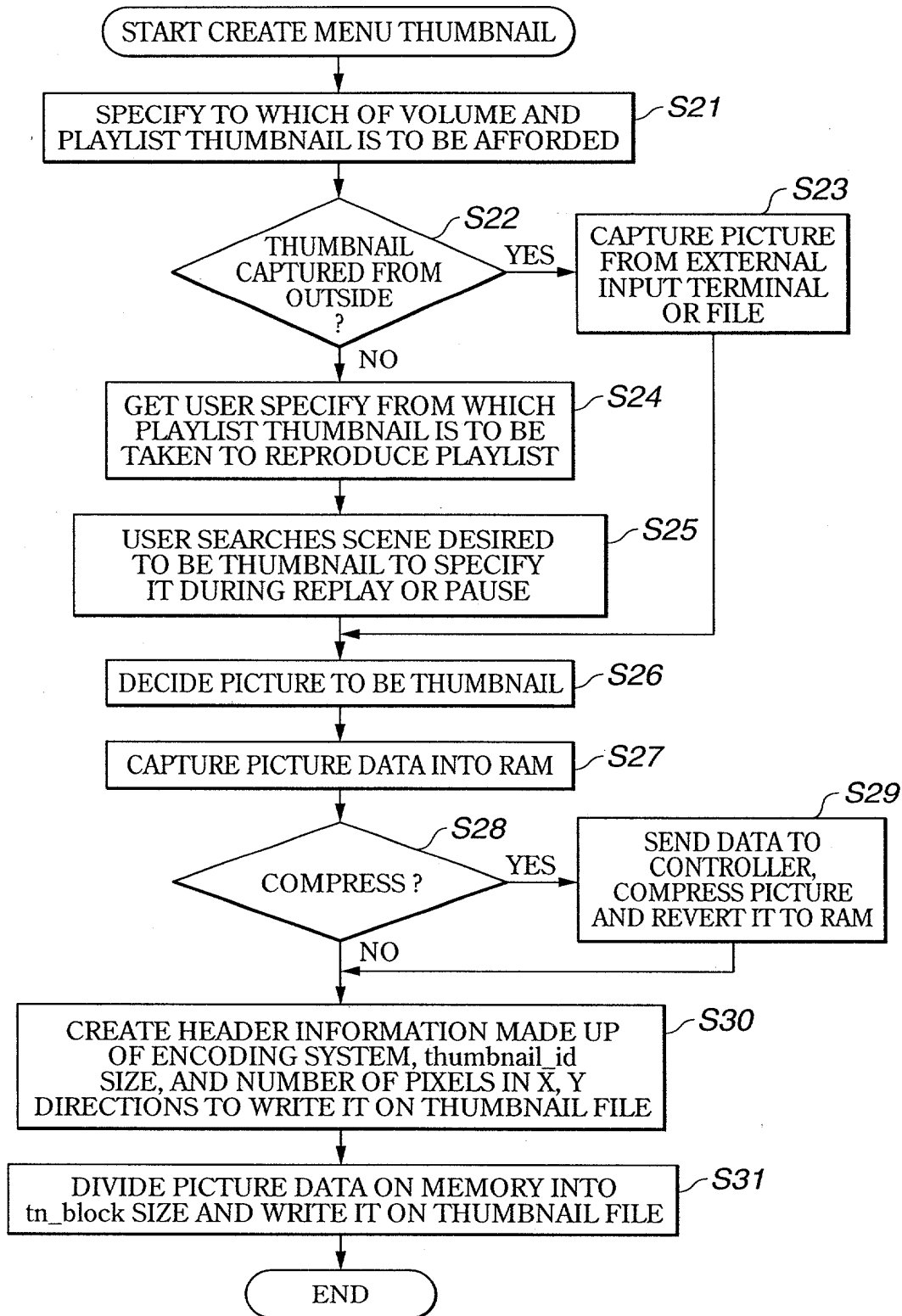


FIG.31

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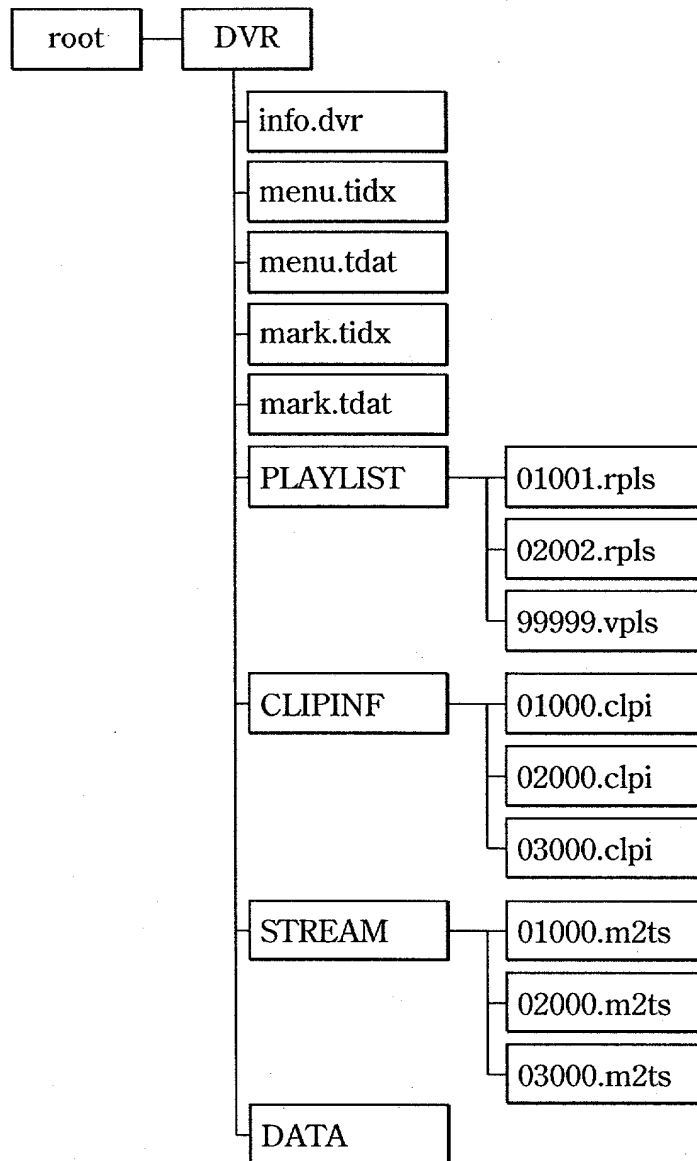


FIG.32

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.tidx/mark.tidx){		
version_number	8*4	char
reserved_for_future_use	256	bslbf
length	32	uimsbf
if (length !=0){		
number_of_thumbnails	16	uimsbf
tn_block_size	16	uimsbf
number_of_tn_blocks	16	uimsbf
for (i=0; i<number_of_thumbnails; i++){		
thumbnail_index	16	uimsbf
ref_to_tn_block_id	16	uimsbf
picture_byte_size	32	uimsbf
horizontal_picture_size	16	uimsbf
vertical_picture_size	16	uimsbf
display_aspect_ratio	4	uimsbf
color_space	4	uimsbf
reserved_for_word_align	8	bslbf
}		
}		
}		

FIG.33

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display_aspect_ratio	MEANING
0, 1	reserved for future use
2	4:3 display aspect ratio
3	16:9 display aspect ratio
4-15	reserved for future use

FIG.34

display_aspect_ratio	MEANING
0	BT 709
1	ITU-R Rec.601
2-15	reserved for future use

FIG.35

SYNTAX	NUMBER OF BYTES	ABBREVIATION
menu.tdat/mark.tdat {		
for (tn_block_id=0; tn_block_id<number_of_tn_blocks; tn_block_id++){		
tn_block	tn_block_ size*1024*8	
}		
}		

FIG.36

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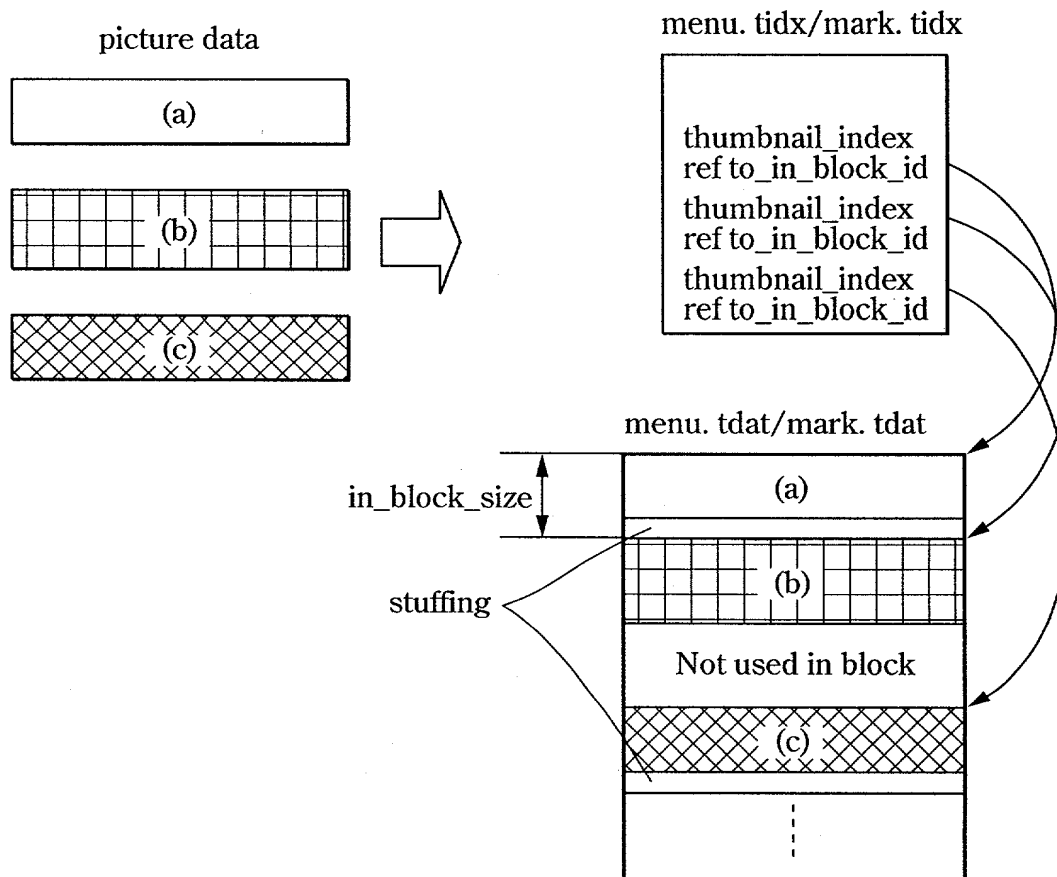


FIG.37

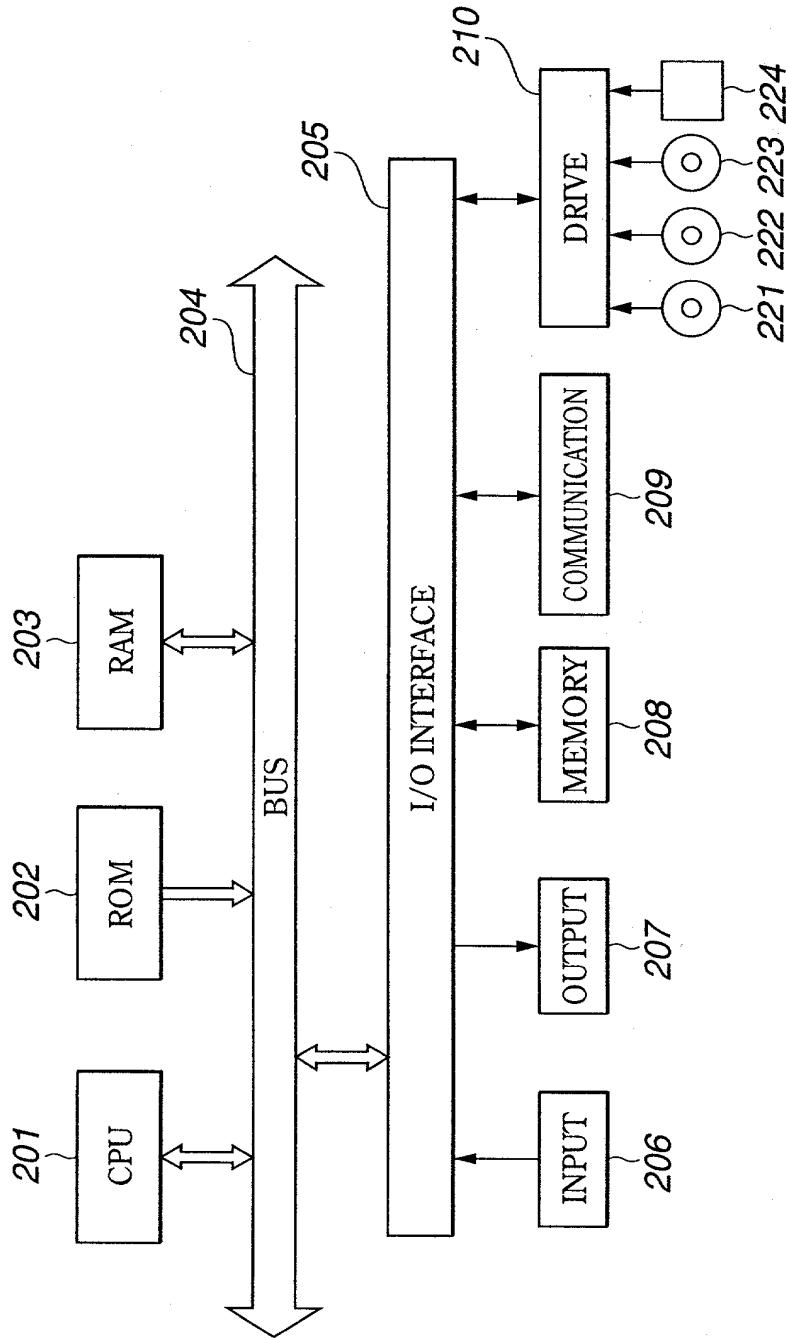


FIG.38